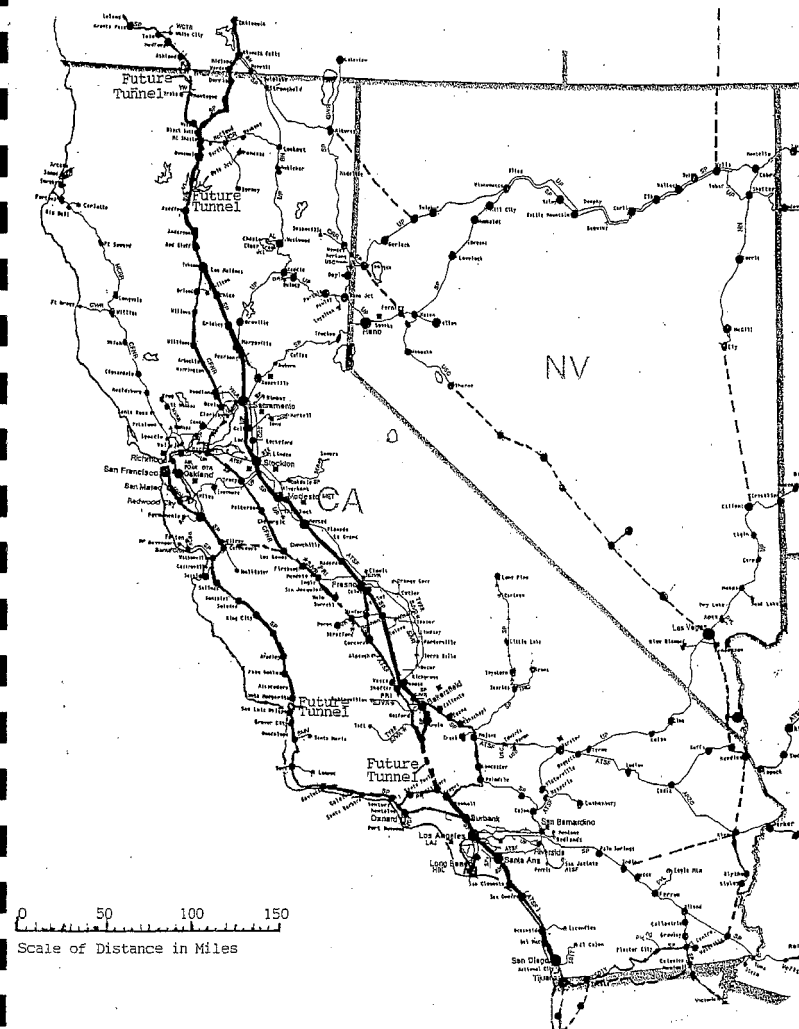
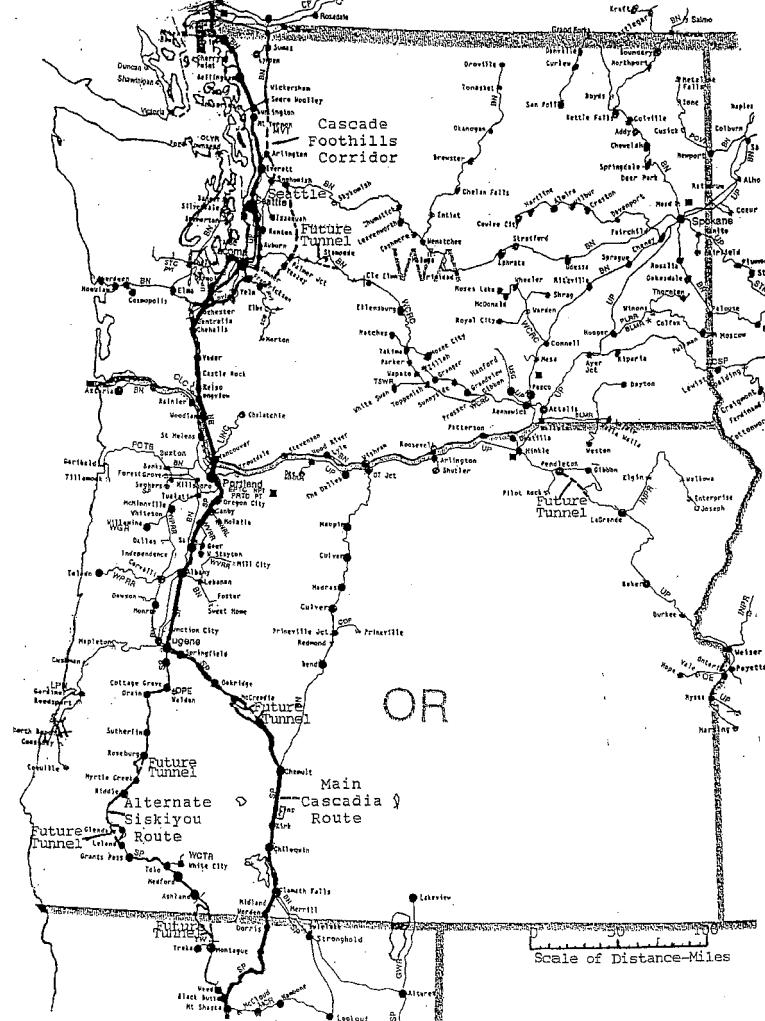


## Comment Letter PH-F031B Continued

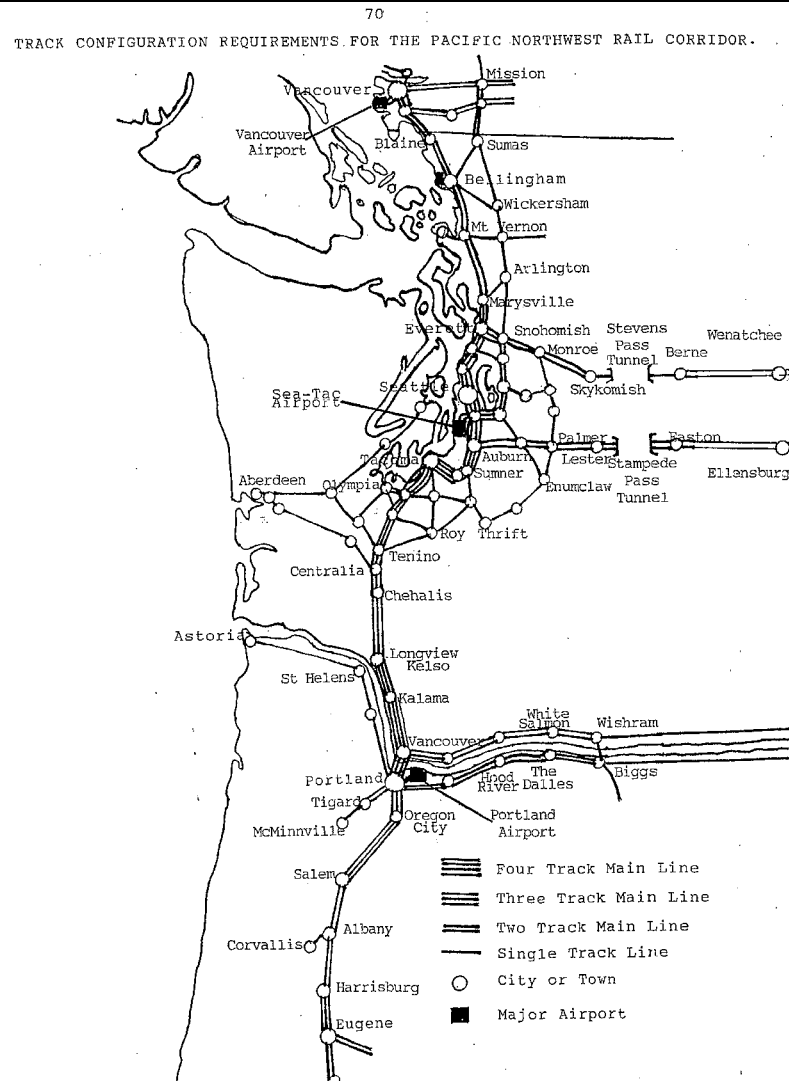
68  
PROPOSED ROUTING OF THE HIGH SPEED RAIL CORRIDOR NETWORK IN CALIFORNIA



69  
PROPOSED HIGH SPEED RAIL TRANSPORT CORRIDOR IN OREGON AND WASHINGTON



## Comment Letter PH-F031B Continued



71

WEST COAST RAILROAD

ELEVATION PROFILES

VERTICAL ELEVATION PROFILE CONFIGURATION OF THE WEST COAST RAILROAD LINE CORRIDOR FROM VANCOUVER, BRITISH COLUMBIA TO TIJUANA, BAJA CALIFORNIA VIA WASHINGTON, OREGON & CALIFORNIA

Vertical Ground Level Elevation above Mean Sea Level in Feet

Horizontal Route Distance from Vancouver in Miles

Key locations and elevations marked on the profile:

- Willamette Pass: 3,700 Feet
- Cascade Mountains
- Hebron Summit
- Tejon Pass
- Grapevine Tunnel: 1,300 Feet

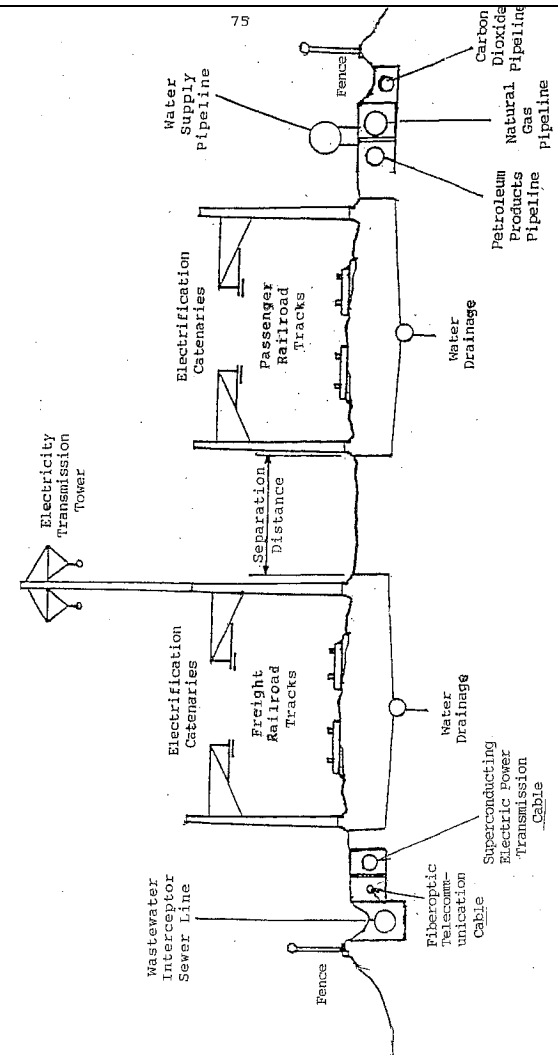
Geographical regions crossed: CANADA, WASHINGTON, OREGON, CALIFORNIA, MEXICO

## Comment Letter PH-F031B Continued

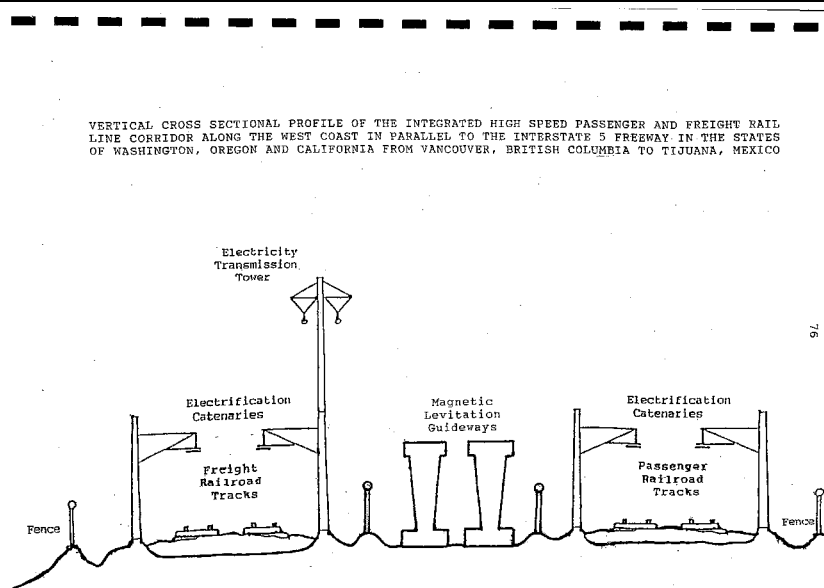
74

WEST COAST RAILROAD  
CROSS SECTION PROFILES

CROSS-SECTIONAL VERTICAL PROFILE OF THE COMBINED HIGH SPEED PASSENGER AND FREIGHT RAILROAD  
LINE ALONG THE INTERSTATE 5 CORRIDOR BETWEEN THE STATES OF WASHINGTON, OREGON AND CALIFORNIA



## Comment Letter PH-F031B Continued



77

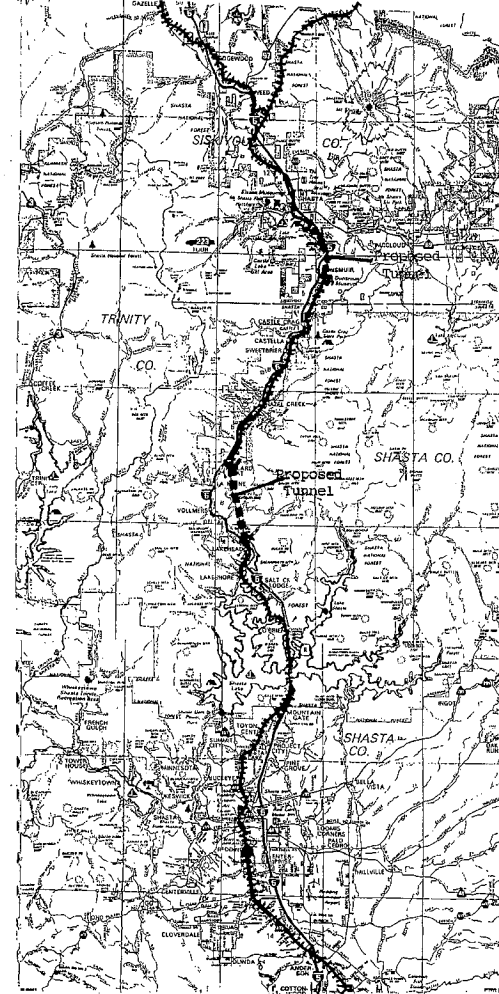
WEST COAST RAILROAD  
INFRASTRUCTURE PROJECTS

## Comment Letter PH-F031B Continued

**SUMMARY FEATURES OF THE STEPWISE PHASED IMPLEMENTATION PLAN FOR  
INCREMENTAL IMPROVEMENTS IN THE WESTERN & EASTERN WASHINGTON INTERCITY  
CORRIDORS TO ALLEVIATE THE RUNWAY CAPACITY CONSTRAINTS AT SEA-TAC AIRPORT**

Time Frame	Western Washington Corridor Portland-Seattle-Vancouver	Eastern Washington Corridor Seattle-Spokane & Eastern Washington	Northern California Corridor Southern California Corridor
1996-2000	Buy 4 New Trains for Service Build Tukwila Station for Sea-Tac Airport Construct Prairie Line Bypass Line Start Bellevue-Tukwila Line Upgrade Bellevue-Tukwila Line Make Signal & Track Improvements Start Nonstop Train Service from Seattle to Portland via Tukwila Start Bellevue-Portland Service	Start up Stampede Pass Line for Freight Start Sea-Tac Passenger Service for Westcoast Start up Stampede Pass Line for Passengers Make signal & track improvements on Line Start Yakima River Canyon Line Start construction of Ellensburg-Lind Line Start double-tracking of Lind-Spokane Line Start Seattle-Ellensburg-Yakima Service Start Sea-Tac Airport Rail Connector Construction	Start second Coast Starlight Train via Klamath Falls Begin second Track Construction in Willamette Valley Upgrade Existing Tracks from Bend to Klamath Falls Begin Upgrading of Shikyou Line from Eugene to Ashland Add second track to Roseville-Redding Main Line Upgrade Existing Coast Line from San Jose to Glendale
2000-2005	Buy 4 Additional Trains Upgrade Bellevue-Tukwila Line Construct Olympia Connector Line Make Signal & Track Improvements Start Upgrade Bellevue-SeaTac Line for Vancouver Service Start Third Main Track on Seattle to Portland Corridor Line Start Double Tracking of Seattle to Vancouver Corridor Line Start Bellevue Main Terminal Nonstop Seattle-Vancouver Service	Complete construction of Ellensburg-Lind Line Complete construction of Stevens Pass Improvement Start construction of Stampede Pass new Tunnel Upgrade signals for Auburn-Lind-Spokane Line Double-track Stampede Pass access lines Start construction of Benton-Maple Valley Bypass Line Complete construction of Lind-Pasco-Moses Lake Line Complete renovation of Stevens Pass Line Start Seattle-Yakima-Pasco Rail Line Service Complete Sea-Tac Airport Rail Connector Construction Begin improvements to Idaho and Montana Rail Line	Upgrade Willamette Pass Line Eugene to Chemult Upgrade and Rebuild Sacramento Canyon Line Add second track to Klamath Falls-Weed Line Begin Construction of Shikyou Mountain Tunnel Begin Construction of Tehachapi Mountain Tunnel Add second track through San Joaquin Valley Line
2005-2010	Buy 4 Additional Trains Construct Lake Samish Bypass Line Rebuild Eastside Rail Line Start Sea-Tac Airport Connector Complete Third Main Track from Seattle to Portland Corridor Complete Double Tracking of the Seattle to Vancouver Corridor Expand Track and Signal Upgrading Expand Nonstop Train Services Start Eastside Railroad Tunnel	Add second main track to Ellensburg & Lind Add second Main Track to Moses Lake-Lind-Pasco Line Start direct rail service from Sea-Tac Airport to Moses Lake Airport and Spokane Airport Complete construction of Stampede Pass Tunnel Start rail passenger service to Pullman Extend rail passenger service to Coeur d'Alene, Sandpoint, Bonanza Ferry and Whitefish Continue improvements to Idaho and Montana Rail Line Complete construction of Benton-Maple Valley Bypass Line	Complete Reconstruction of Shikyou Line Route Complete Construction of Sacramento Canyon Line Complete Construction of Shikyou Mountain Tunnel Complete Construction of Tehachapi Mountain Tunnel Complete Reconstruction of the Coast Line Route
2010-2020	Full High Speed Rail Operation 150 miles/hour for Passenger Service 90 miles/hour for Freight Service	Increase to Full High Speed Rail Operation 185 miles/hour for Passenger Service 90 miles/hour for Freight Service	Increase to Full High Speed Rail Operation 180 miles/hour for Passenger Service 90 miles/hour for Freight Service

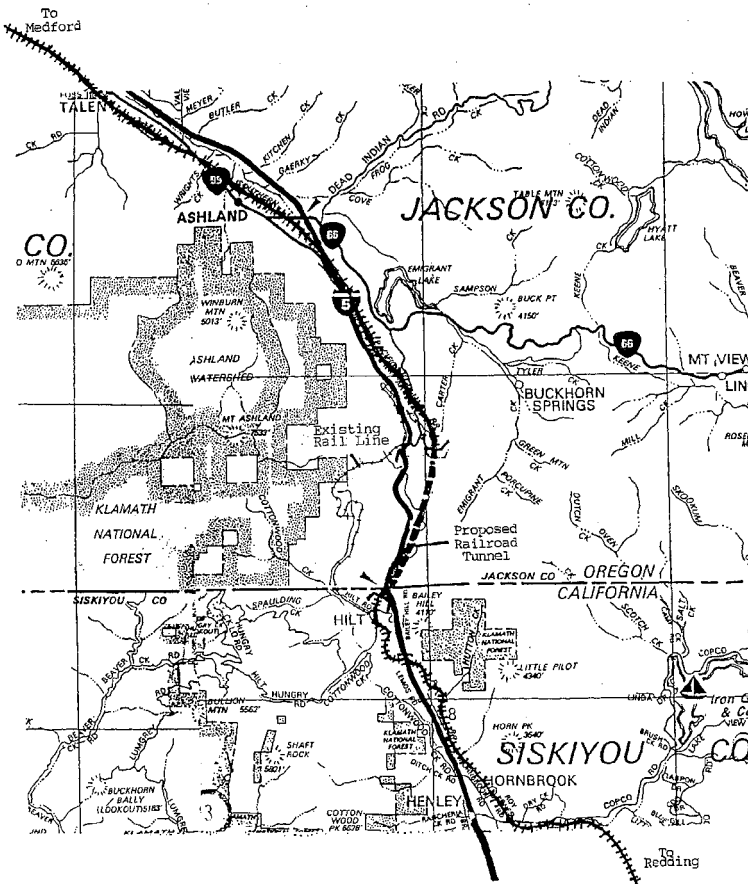
## PROPOSED RAILROAD LINE ROUTING THROUGH THE SACRAMENTO RIVER CANYON



## Comment Letter PH-F031B Continued

80

LOCATION OF THE PROPOSED RAILROAD TUNNEL THROUGH THE SISKIYOU MOUNTAINS.

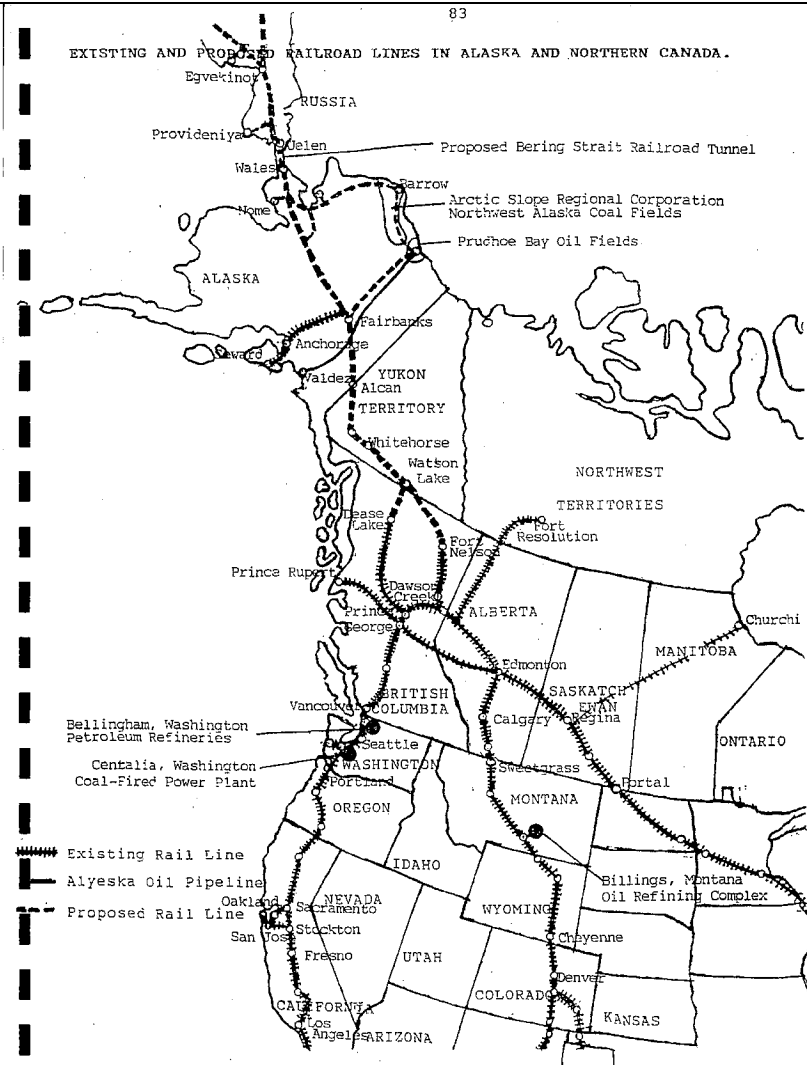
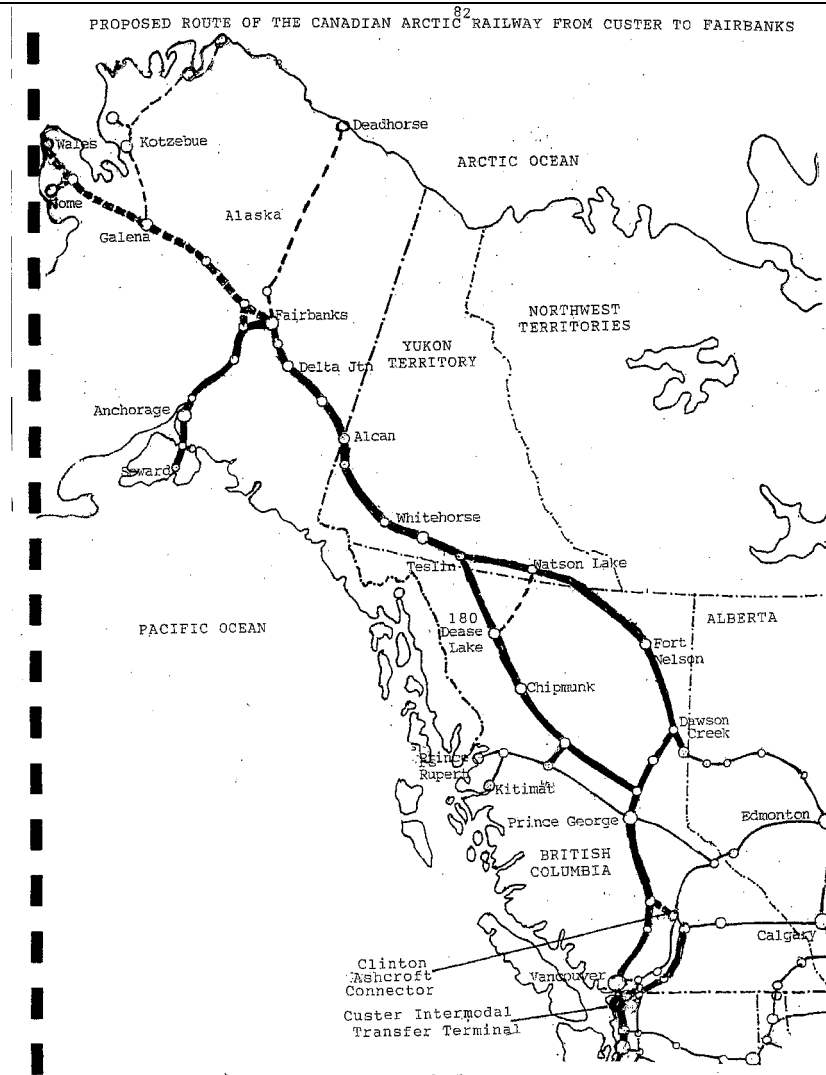


81

ALASKA CANADA

RAILROAD EXTENSIONS

## Comment Letter PH-F031B Continued





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**Response to Comments Hal B. H. Cooper, Jr. , Oral Presentation, Attachment B, April 28, 2004 (Letter PH-F031B)**

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**PH-F031B-1**

This is an attachment to comment PH-F013. Please see response to Comment PH-F013-1.

## Comment Letter PH-F031C

## PH-F031C

Attachment C to  
Oral Presentation  
by  
Hal B. H. Cooper, Jr.  
4/28/94  
Public Hearing

## THE POSSIBLE ROLE

of the

## TEHACHAPI MOUNTAIN RAILROAD TUNNEL

in the

## CALIFORNIA HIGH SPEED RAIL PASSENGER PROJECT

Presented to

Mr. Daniel S. Leavitt, Director  
State of California Intercity  
High Speed Rail Commission  
Post Office Box 942874  
Mail Stop No. M.S.-74  
Sacramento, California 94274

Prepared by

Hal B. H. Cooper, Jr.  
Consulting Engineer  
Cooper Consulting Company  
11715 N.E. 145th Street  
Kirkland, Washington 98034

May 2, 1997

## PROJECT DESCRIPTION

1

Overall Summary

The State of California is planning to construct a high speed rail passenger system of approximately 750 miles in length at a total estimated cost of \$22 billion which will be designed to carry up to 60,000 passengers per day. The State of California has recently established the California High Speed Rail Authority which will be conducting a series of public meetings in attempting to gain public support for the project. The next meeting of the Authority will be on January 21-22, 1998 in Los Angeles.

This high speed rail project now is planned to carry only passengers with a system having train speeds of up to 220 miles per hour. There are some opportunities for the parallel transport of freight to enhance the overall project economic viability. One of these parallel locations is the so-called Castaic Corridor between Bakersfield and Los Angeles of 120 miles through the Tehachapi Mountains. The other parallel route is the so-called Colton Corridor between Los Angeles and San Bernardino of 60 miles in the San Gabriel Valley. These projects are both eligible for separate funding.

Castaic Corridor

It is proposed to construct a double track electrified railroad tunnel through the Tehachapi Mountains between Grapevine and Castaic of 32 miles in length at an elevation of 1,300 feet. This new railroad tunnel would be designed to carry up to 100 passenger trains per day with up to 50,000 people. The tunnel has 140 freight trains per day carrying up to 20,000 truck trailers and other cargo of as much as 850,000 tons per day as its maximum carrying capacity. The total capital cost of the railroad tunnel and the supporter tracks, signals, electrification and support infrastructure is approximately \$4.5 to 5.0 billion with a construction time of 5 to 6 years.

The proposed railroad tunnel would shorten the rail haul distance from Los Angeles to Bakersfield from 180 miles to 120 miles as well as eliminate a major capacity bottleneck at the Tehachapi Loop to the east of Bakersfield. It is the most important single link in the California high speed rail project. It is proposed to have a privately financed railroad tunnel with shuttle truck trailer haul service from Bakersfield to Los Angeles and high speed rail passenger service through the tunnel. This tunnel would make it possible for high speed intermodal trailer and container service to be instituted between Los Angeles and Seattle.

Colton Corridor

It is proposed to reconfigure the existing Union Pacific Railroad main line over the 60 mile distance from Los Angeles to San Bernardino so that it can handle both high speed passenger trains and high speed freight trains through the San Gabriel Valley. The line presently handles well in excess of 100 freight trains per day plus 16 to 30 commuter trains and 8 to 10 intercity passenger trains. There are at present two basically parallel railroad lines where one would become a freight line and one a passenger line. An additional factor is that there are at least 60 rail-road grade crossings along the route.

## Comment Letter PH-F031C Continued

2

The total estimated capital cost of this project is approximately \$3.5 to 4.0 billion for the Union Pacific Railroad lines and an upgrading cost of \$1.0 to 1.5 billion for the parallel Burlington Northern Santa Fe Railroad line as the Corona corridor. The total capital cost of both routes is \$4.5 to 5.0 billion with all of the required improvements completed. It is proposed to have this project built with private financing with repayment through the mechanism of service fees on the freight and a ticket tax on the passengers. There would also be a public sector repayment by means of a tax because of the large number of grade separations to be constructed at a 40 to 45 percent contribution to the total capital cost of the project.

The Colton Corridor is basically an extension of the Alameda Corridor project now being constructed between the ports of Long Beach and Los Angeles and downtown Los Angeles. The Alameda Corridor is being constructed at a total cost of \$2.2 billion over a 22 mile route distance with 31 grade separations with port bonds, a Federal loan and other public sector contributions. The repayment of the recourse financing is on the basis of a charge on the containers and bulk cargo passing through the ports and over the railroad lines. The Colton Corridor is needed in addition to the Alameda Corridor because otherwise the point of port traffic congestion at present will only be shifted to downtown Los Angeles unless the trains can quickly reach the main rail yards at Colton and San Bernardino at the eastern end of the Los Angeles Basin.

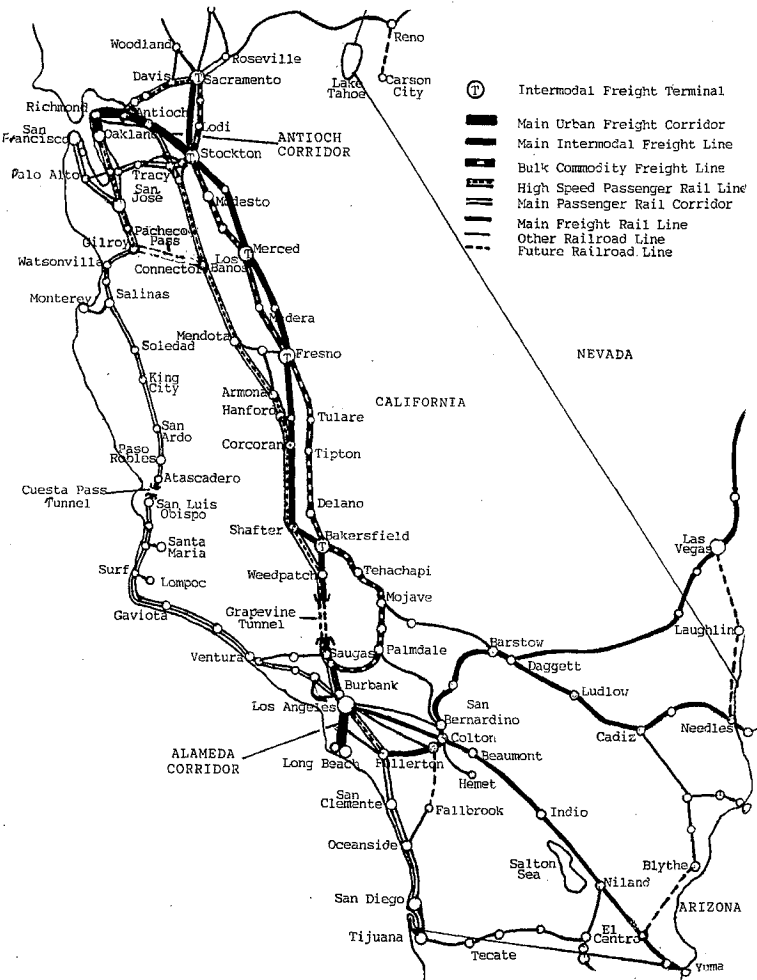
Ensenada Corridor

It is proposed to construct a railroad line network in the northern part of the State of Baja California Norte and southeastern California of approximately 350 to 400 miles in length. This railroad network will be constructed to enhance economic development in northern Mexico and to improve transportation infrastructure in the region. It is also planned to construct a new steel mill, a new cement plant and other industries to supply the construction materials for the California high speed rail project. It is also planned to construct a new coal-fired power plant in the Ensenada region to supply the growing electricity needs of the region plus at least some of the California high speed rail.

The estimated total capital cost of the railroad project is between \$1.5 and 2.0 billion. The primary means of repayment is from the additional freight traffic revenues. It is also desired to have the Port of Ensenada become a major containerized cargo and bulk cargo handling port in northwest Mexico and to expand the capacity of the Port of San Diego at the same time at a cost of \$0.5 to 1.0 billion. In addition, the estimated cost of the new steel mill, cement plant, power plant and fertilizer plant in Mexico will be in the range of \$3.5 to 4.5 billion. The estimated total capital cost of all of the projects together is between \$5.5 and 7.5 billion.

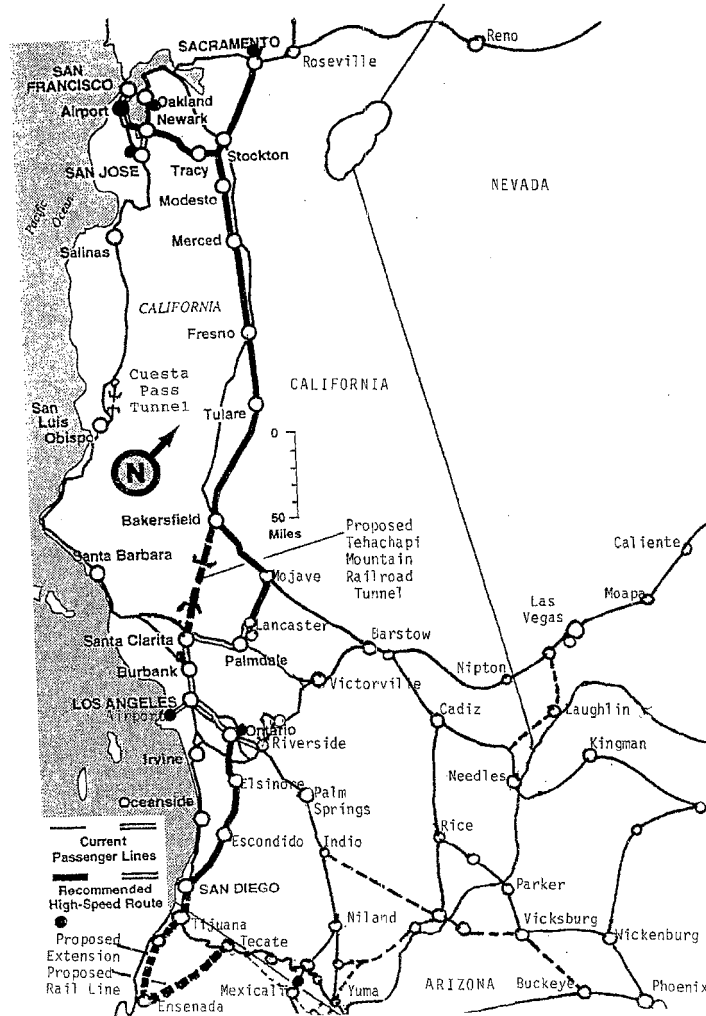
3

LOCATION OF INTERMODAL FREIGHT TERMINALS IN THE SAN JOAQUIN VALLEY.

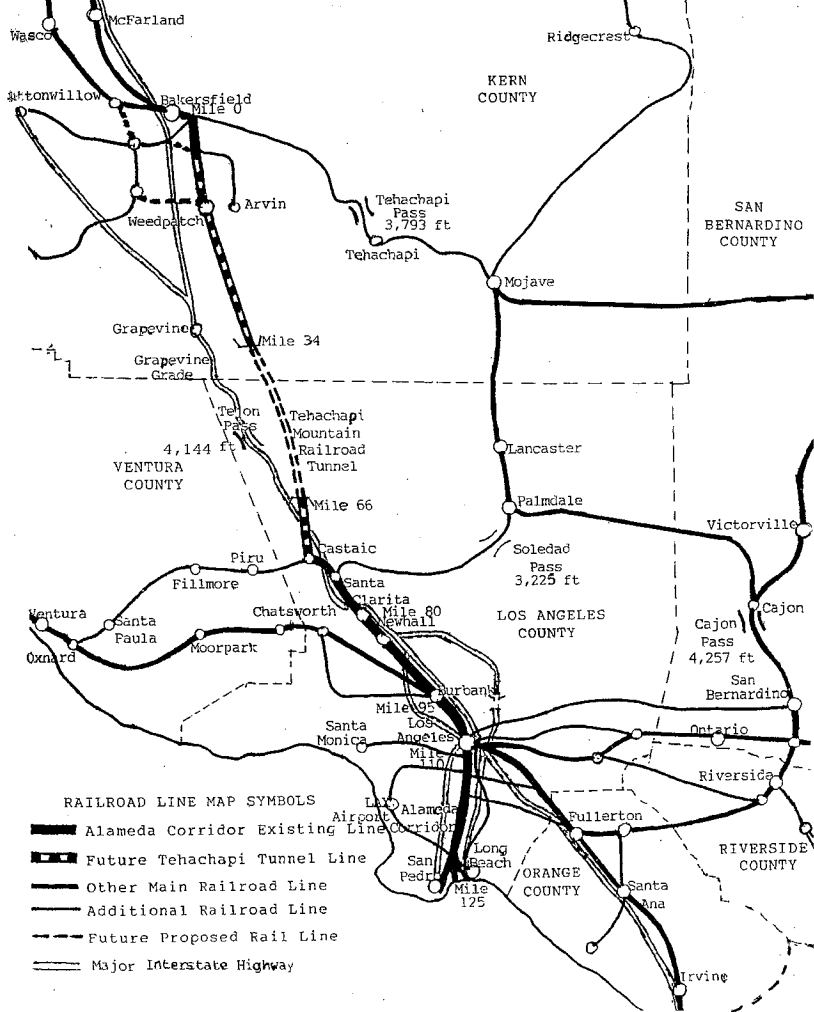


## Comment Letter PH-F031C Continued

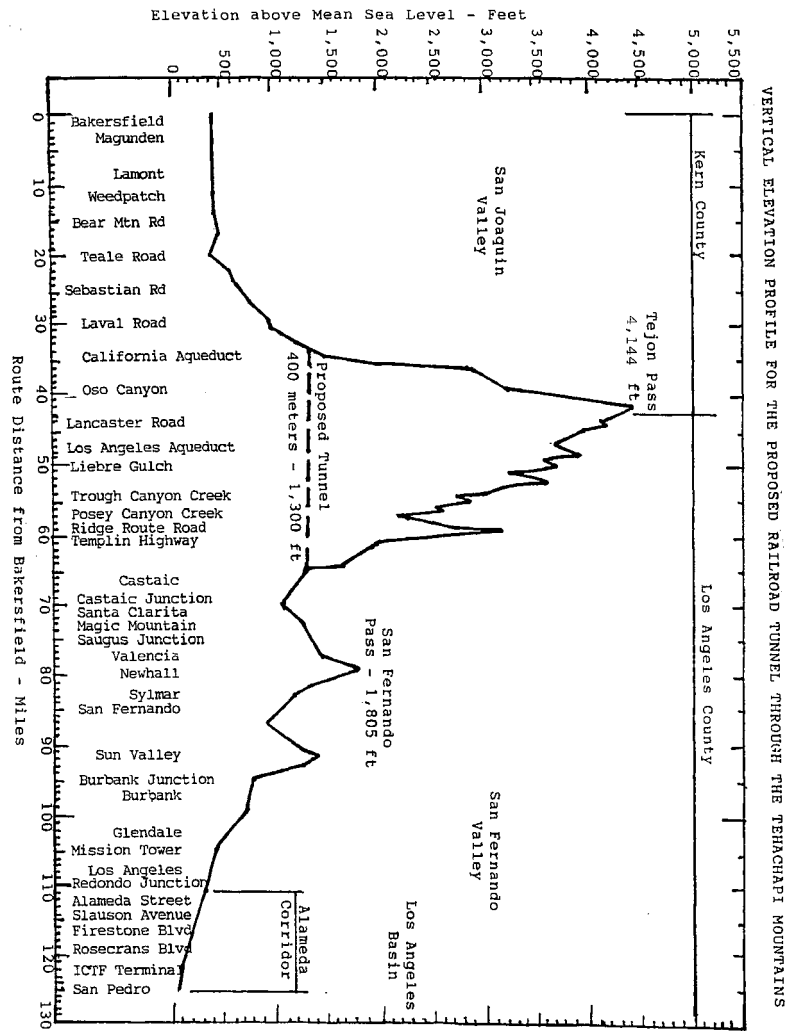
ROUTING FOR THE PROPOSED CALIFORNIA HIGH SPEED RAIL PASSENGER SYSTEM



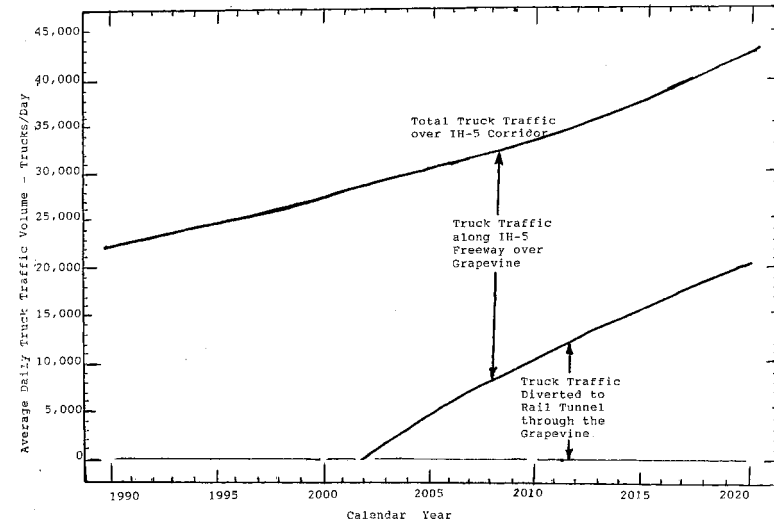
INTEGRATION OF THE ALAMEDA CORRIDOR AND TEHACHAPI RAILROAD TUNNEL PROJECT



## Comment Letter PH-F031C Continued

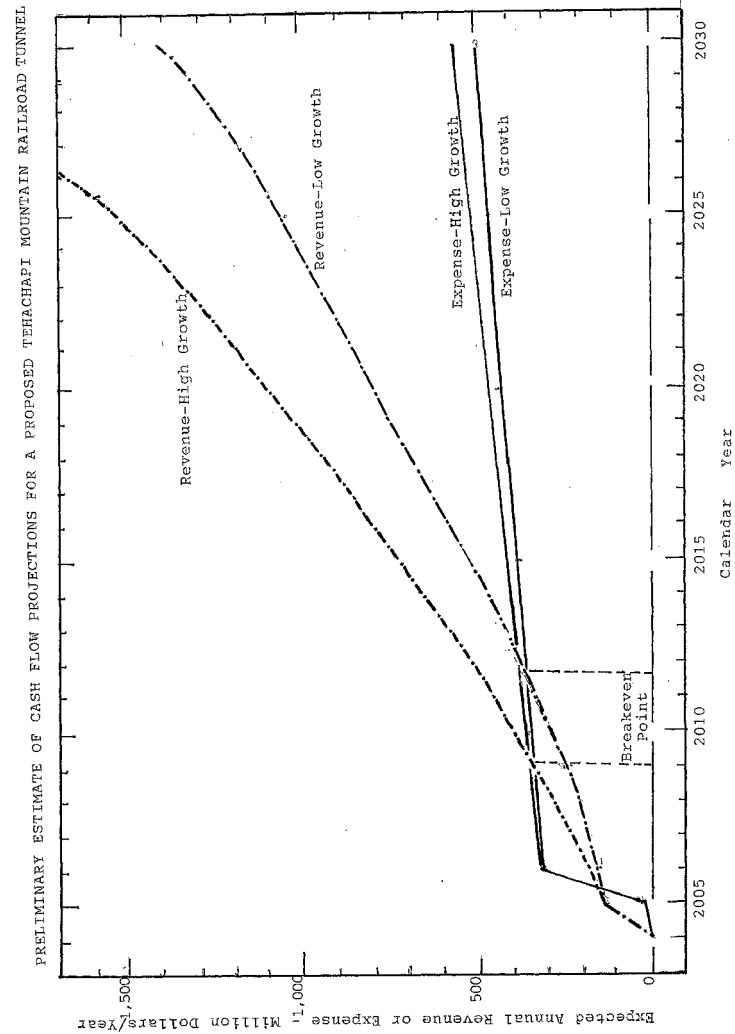


ESTIMATED EFFECT OF INTERMODAL TRAFFIC DIVERSION OF TRUCK TRAFFIC FROM ROAD TO RAIL ALONG THE INTERSTATE 5 GOLDEN STATE FREEWAY BETWEEN LOS ANGELES AND BAKERSFIELD RESULTING FROM THE PROPOSED CONSTRUCTION OF THE GRAPEVINE GRADE RAILROAD TUNNEL FROM WEEDPATCH TO CASTAIC



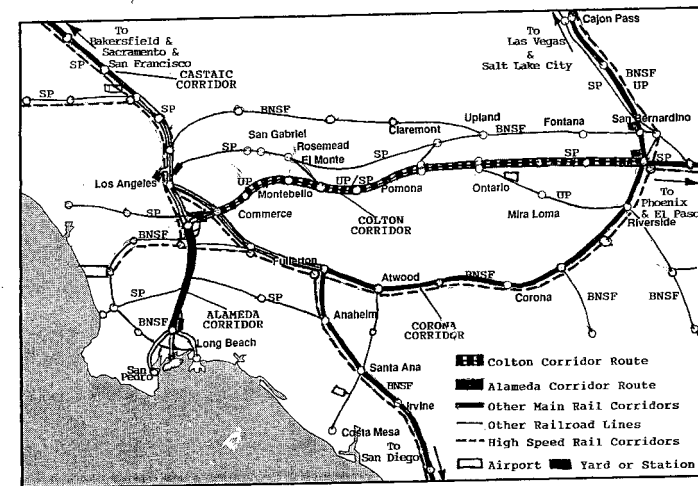
9

## Comment Letter PH-F031C Continued

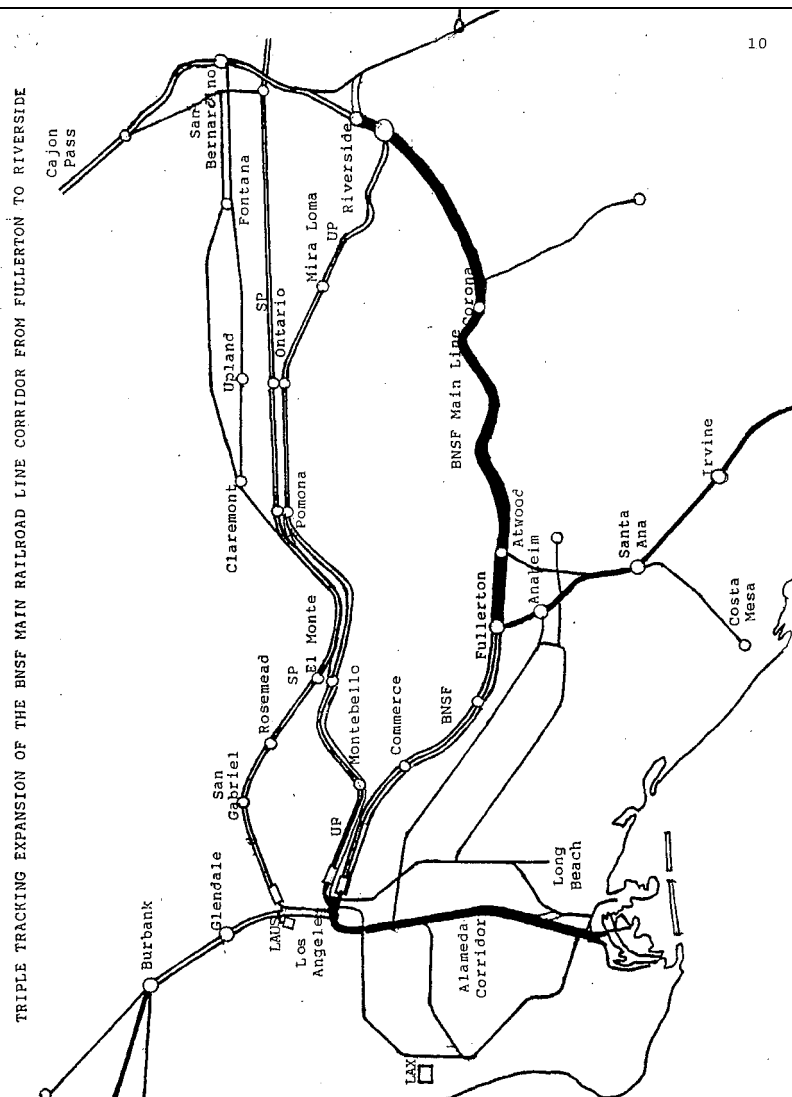


8

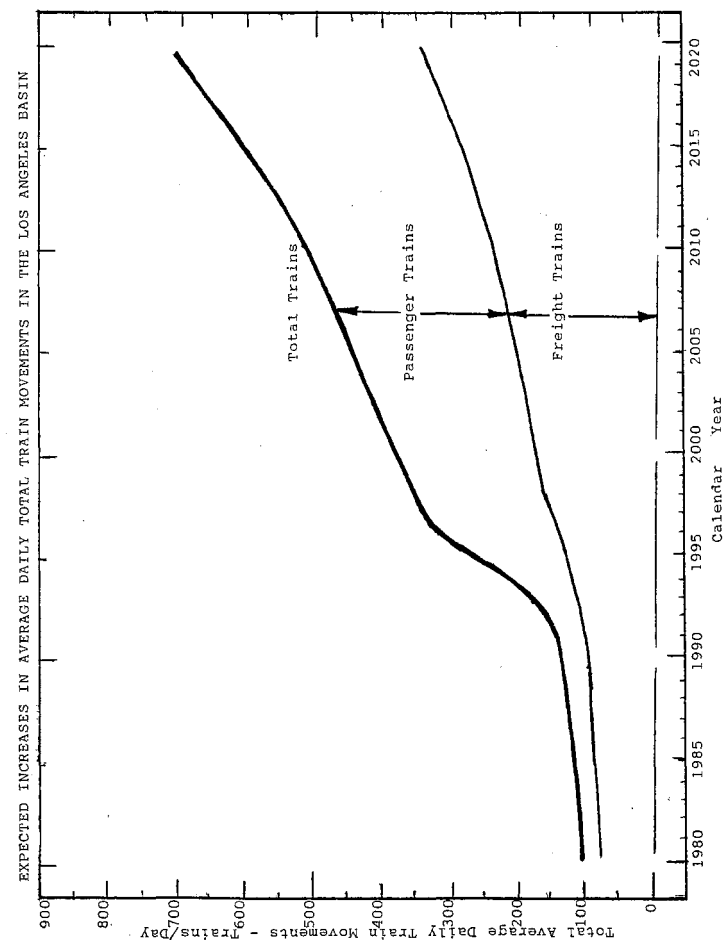
PRESENT AND FUTURE FREIGHT AND PASSENGER RAILROAD LINE CORRIDORS IN THE LOS ANGELES BASIN.



## Comment Letter PH-F031C Continued

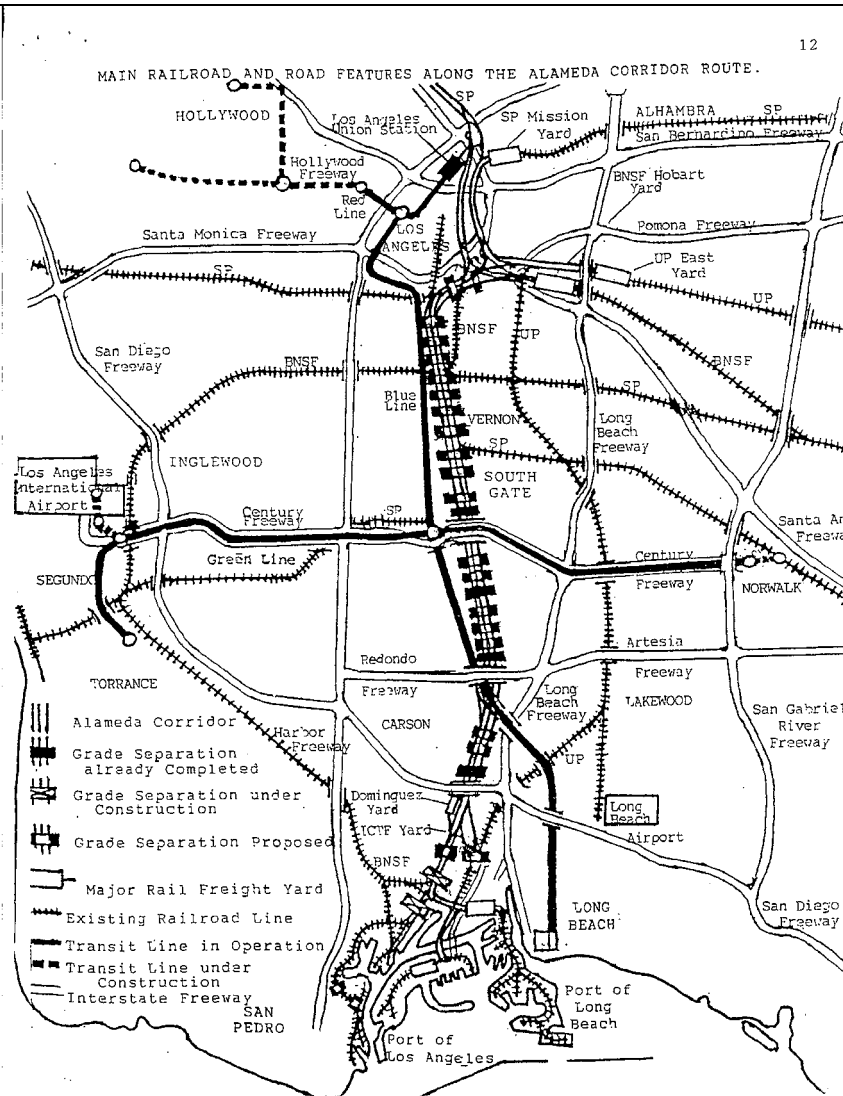


10

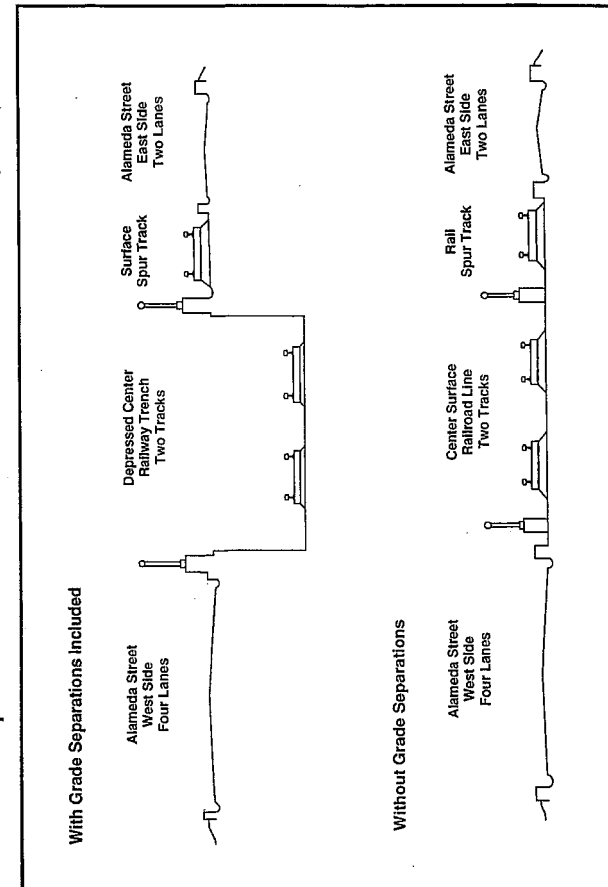


11

## Comment Letter PH-F031C Continued



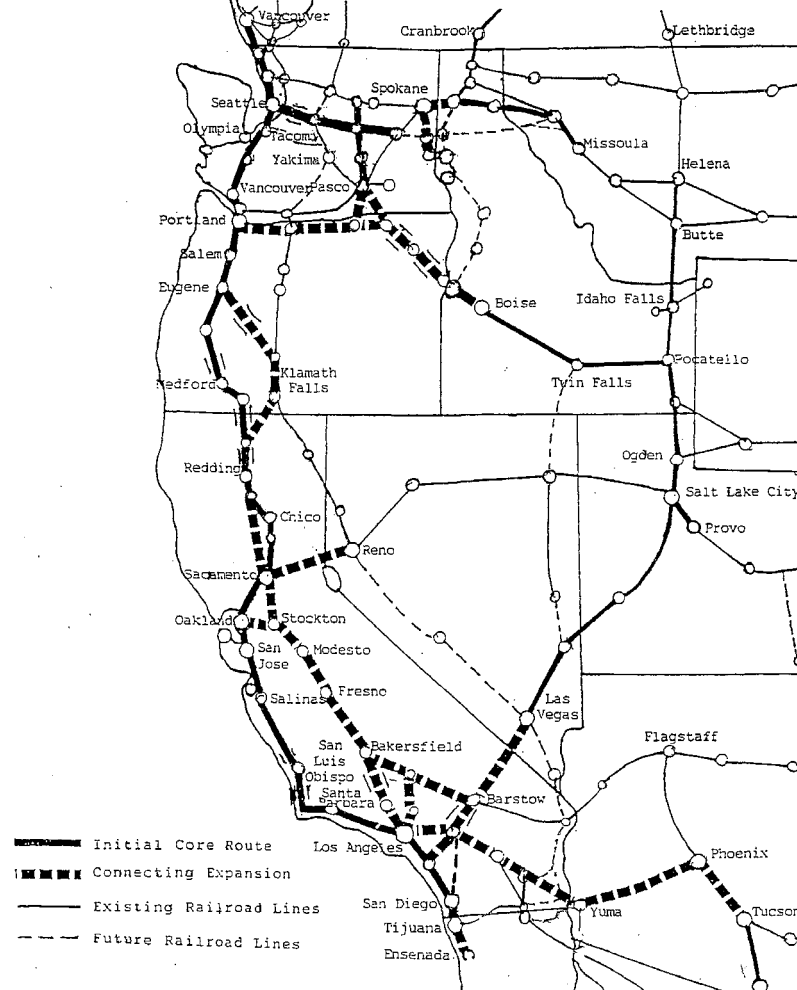
Proposed Vertical Section Profiles for the Alameda Corridor Project



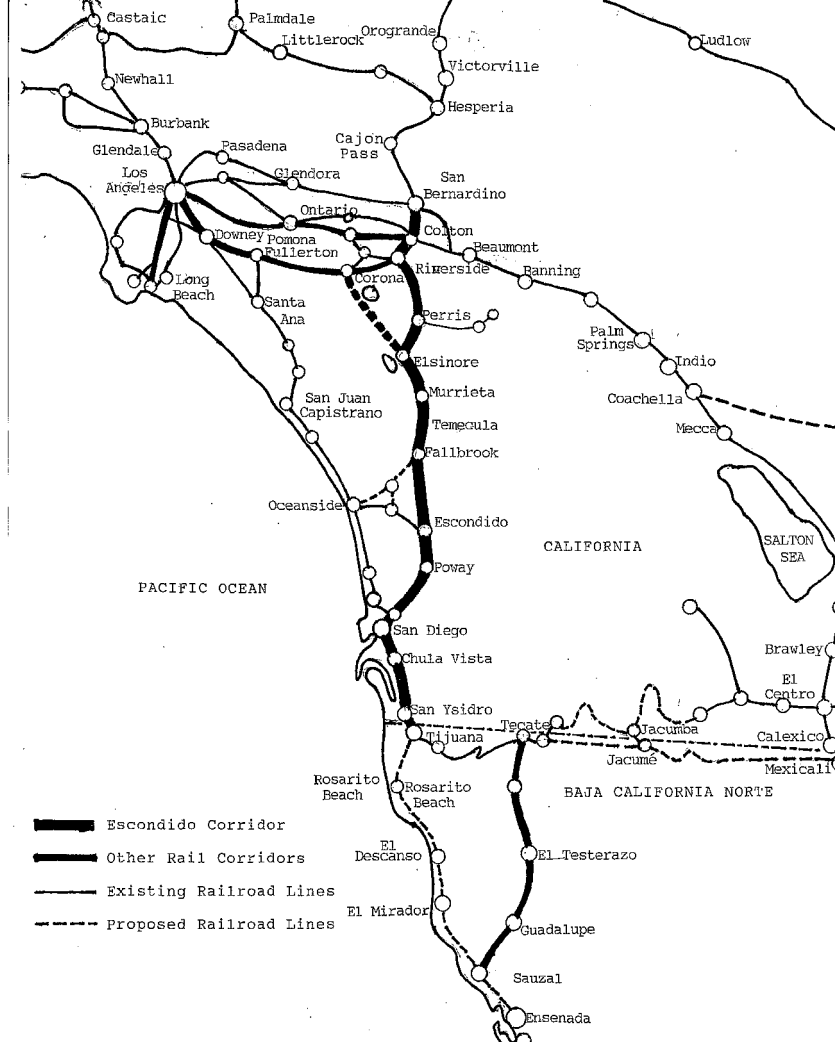


## Comment Letter PH-F031C Continued

PROPOSED HIGH SPEED RAILROAD NETWORK FOR THE PACIFIC COAST STATE REGION.



LOCATION OF THE ESCONDIDO CORRIDOR IN THE INLAND EMPIRE RAILROAD NETWORK 15



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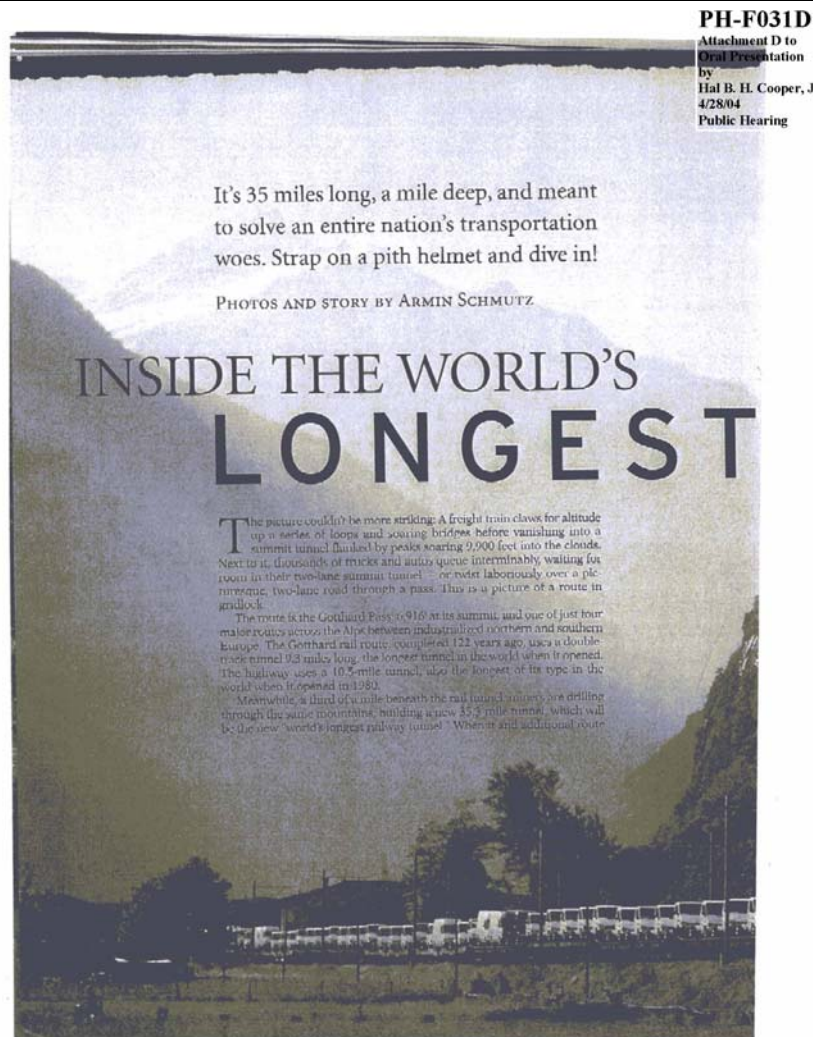
**Response to Comments Hal B. H. Cooper, Jr. , Oral Presentation, Attachment C, April 28, 2004 (Letter PH-F031C)**

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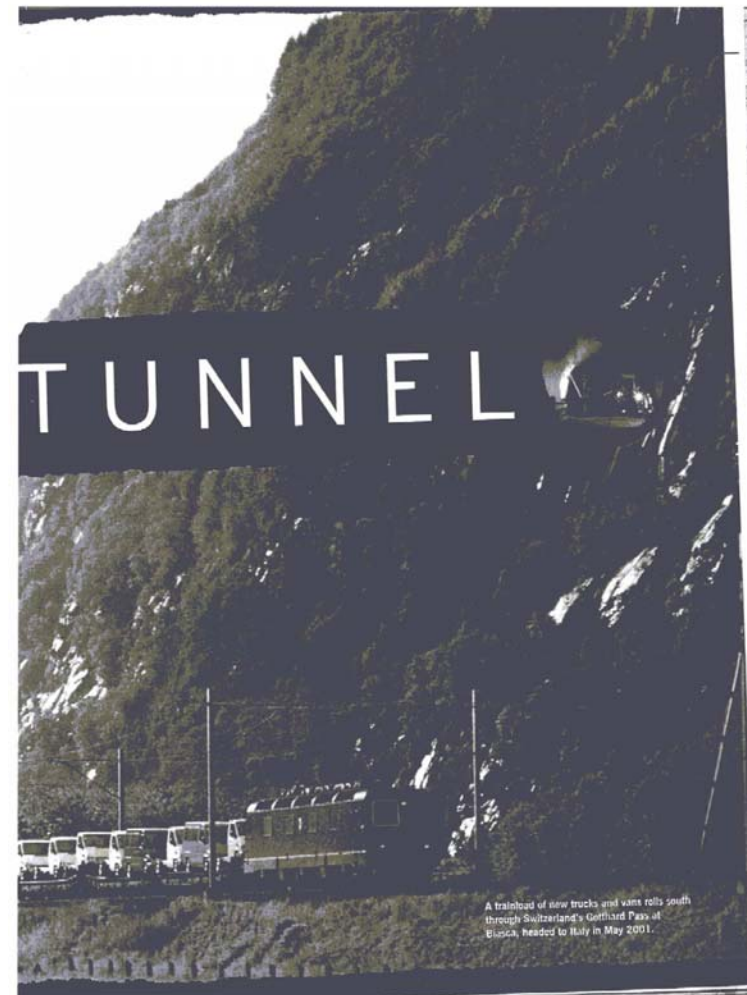
**PH-F031C-1**

This is an attachment to comment PH-F013. Please see response to Comment PH-F013-1.

## Comment Letter PH-F031D



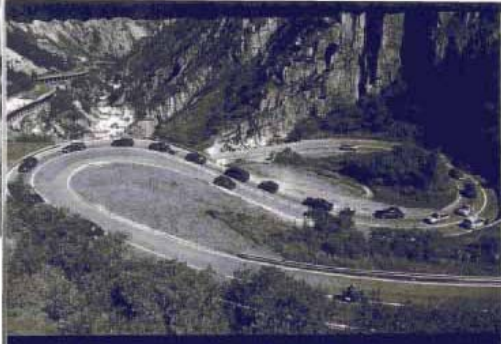
EIR-000089



EIR-000090



## Comment Letter PH-F031D Continued



### Switzerland's 24 billion rail investment

Where the money is coming from

Oil tax 10%  
Loren 18%  
Value-added tax 20%  
Heavy vehicle tax 52%

Where the money is going

Rail 2000, Stage 2 18%  
Rail 2000, Stage 1 (includes Zürcherberg line tunnel, Section 1) 25%  
Connection of Switzerland to the European high-speed network 4%  
AlpTransit Gotthard (includes all tunnels on new Zurich-Chammo line) 12%  
Noise insulation (includes rolling stock) 7%

### Like a scene out of James Bond

Cars wind through the S-curves on the Gotthard Pass highway south of Göschenen (above). The alternative is the Gotthard Tunnel, its approaches seen during a typical summer 2002 traffic jam at Erstfeld (below) — or the train, of course.

improvements are complete (scheduled for 2016), travel time by passenger train between Zurich, Switzerland, and Milan, Italy, 134 air-line miles apart, will be slashed from 220 to 130 minutes. Zurich is the railway hub of Switzerland, with through routes radiating to the ports and cities of Germany and the low countries, and through Paris and the Channel Tunnel to London. Milan is Italy's transportation and industrial hub.

This isn't about saving a few minutes: This is about a nation determined to banish most through trucks from its roads, and willing to spend \$24 billion on railways to do it. By law, the 1.3 million trips trucks will take across the Swiss Alps this year must be cut in half by 2009. This is a nation that's looked at the congestion, noise, accidents, and pollution of trucks, and said, "That's it, we're doing rail." Switzerland is this serious about reducing truck traffic: it's written the reduction into its constitution.

**Gotthard: shortest but not easiest**

Stretching from Nice, France, to Vienna, Austria, the Alps form a 600-mile connected whole separating northern and southern Europe. Through a difficult barrier, they have never been as impassable, as deep, trough-like valleys carved by glaciers lead from the plains to numerous passes. The Gotthard Pass — formally the Stein Gotthard Pass — long known as the shortest route between Zurich and Milan, was rarely used before the 13th century because its northern approach lies in the sheer-walled Schöllenen Gorge. In 218 B.C., the Carthaginian general Hannibal is reputed to have used Gotthard as a back door through which his army could fall on the Roman Empire. (Authorities now believe Hannibal's army, which after huge losses to cold, starvation, and disease arrived in Italy with 20,000 soldiers, the bulk of his army intact earned the nickname, "the Russian Hannibal."

In the 1200s, the Schöllenen Gorge was conquered with a suspended wooden roadway along its sheer walls, crossing from one side to another on "the Devil's Bridge," so-called because it was said only a pact with the Devil

6,000 mounted knights, and, famously, 37 elephants, used the Mont Genève, an easy and frequently traveled Roman pass considerably to the southeast between France and Italy.)

Gotthard Pass was indelibly a battleground on September 19–25, 1799, during the Napoleonic Wars, when a 21,000-man Russian-Cossack army led by Aleksandr Vasilyevich Suvorov defeated a French army of 8,500 detailed to hold the pass. (Russian troops that fell in battle are commemorated with a large cross cut into the rock in the Schöllenen Gorge.) Suvorov's success was far from easy: Two days later, a larger Russian army was defeated at Zurich. His army appeared trapped, but evaded defeat by slipping through the Panixer Pass. Suvorov lost 5,000 men to cold and hunger, and had to abandon his 25 artillery pieces, but by escaping with the bulk of his army intact earned the nickname, "the Russian Hannibal."

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### SWITZERLAND AT A GLANCE

#### Freight crossing the Alps in 2001

	SWITZERLAND		AUSTRIA		FRANCE		TOTAL	
	million tons	%	million tons	%	million tons	%	million tons	%
Rail	22.8	67	17.3	26	10.4	19	50.5	33
Highway	11.4	33	45.3	72	43.8	81	100.5	67
Total	34.2	100	62.6	100	54.2	100	151.0	100

Source: Litra, Informationsdienst für den öffentlichen Verkehr, www.litra.ch



Engineer Karl Enz, in the cab of an Re 460 electric, takes an Intercity train over Gotthard.

#### Switzerland transportation

POPULATION  
2002 7.2 Million


AVERAGE TRAIN JOURNEYS  
Per year/person 47  
Average distance 26 miles

RAIL NETWORK  
Freight/passengers moved by rail in 2001 (ton-miles) 4.4 million  
Standard gauge 2,269 miles  
Narrow gauge 859 miles  
Not electrified less than 12 miles  
Railway stations 1,842  
Number of Tunnels 700  
Total mileage in tunnels 245  
Bridges 7,495  
Total mileage on bridges 81  
Track owned by:  
Swiss Federal Rys. (SBB) 1,869 miles  
Bern-Lötschberg-Simplon 152 miles  
Other track owners 49 private railways

HIGHWAYS  
Total length 44,118 miles  
Autobahn 6 lanes 50 miles  
Autobahn 4 lanes 738 miles  
Autobahn 2 lanes 174 miles  
Freight/passengers moved in 2001 (ton-miles) 14.1 million  
Truck trips in Switzerland:  
Over Swiss Alps in 2003 1.29 million

Source: BAV, Bundesamt für Verkehr, www.bav.admin.ch

#### Main trans-Alpine rail routes

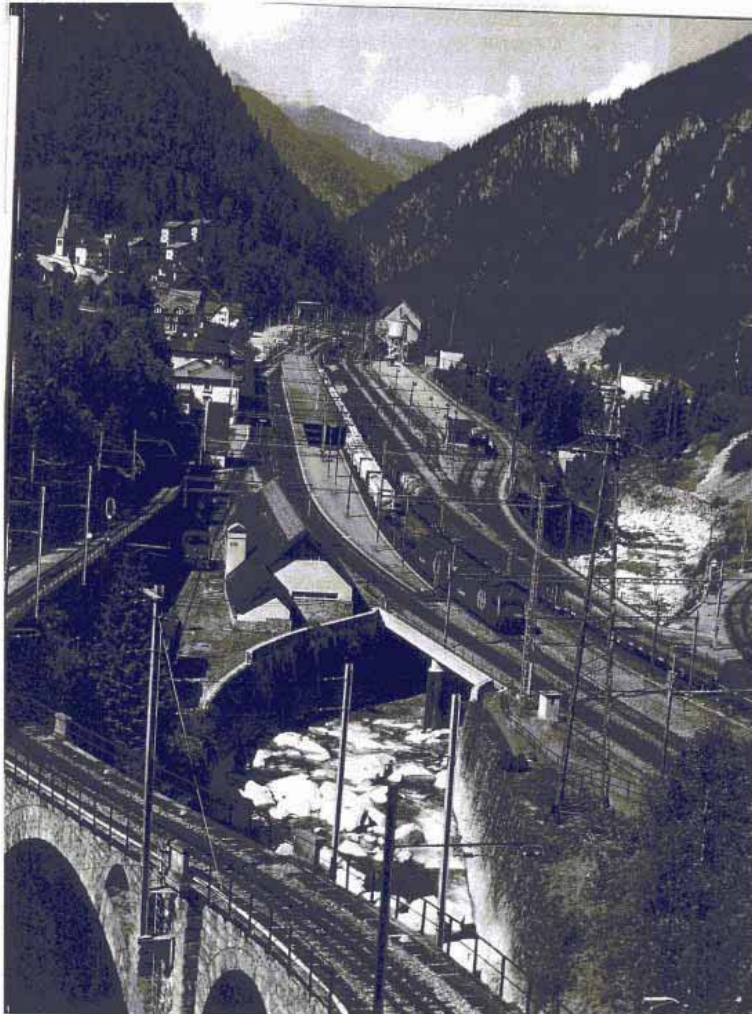


EIR-000091

EIR-000092



## Comment Letter PH-F031D Continued



EIR-000093

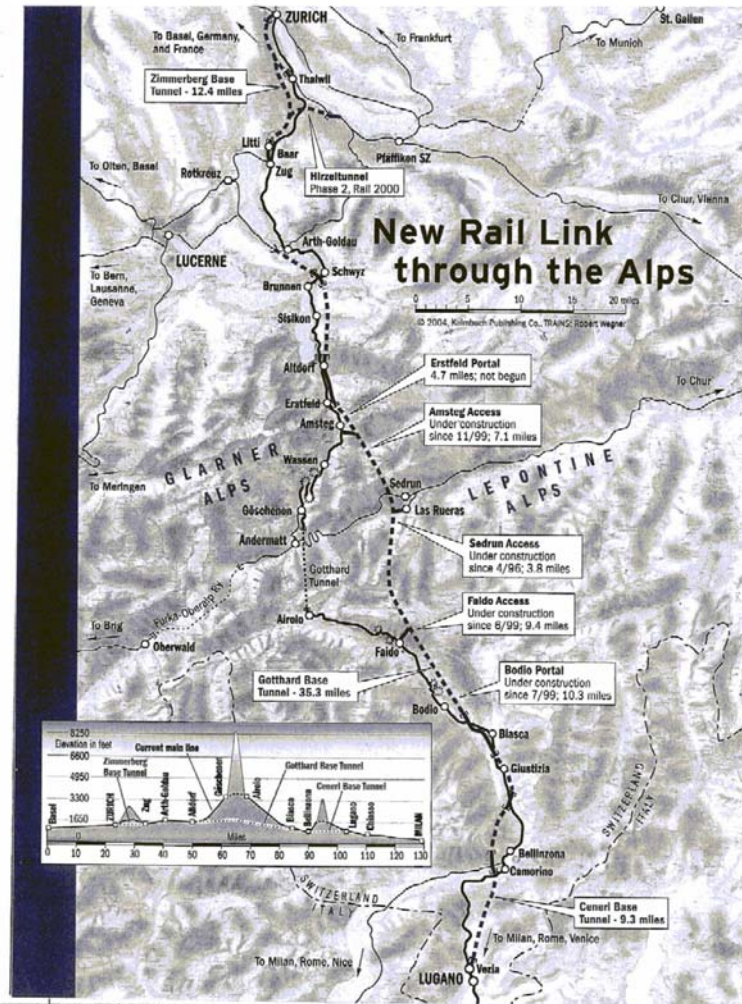


44 TRAINS 1 MAY 2004

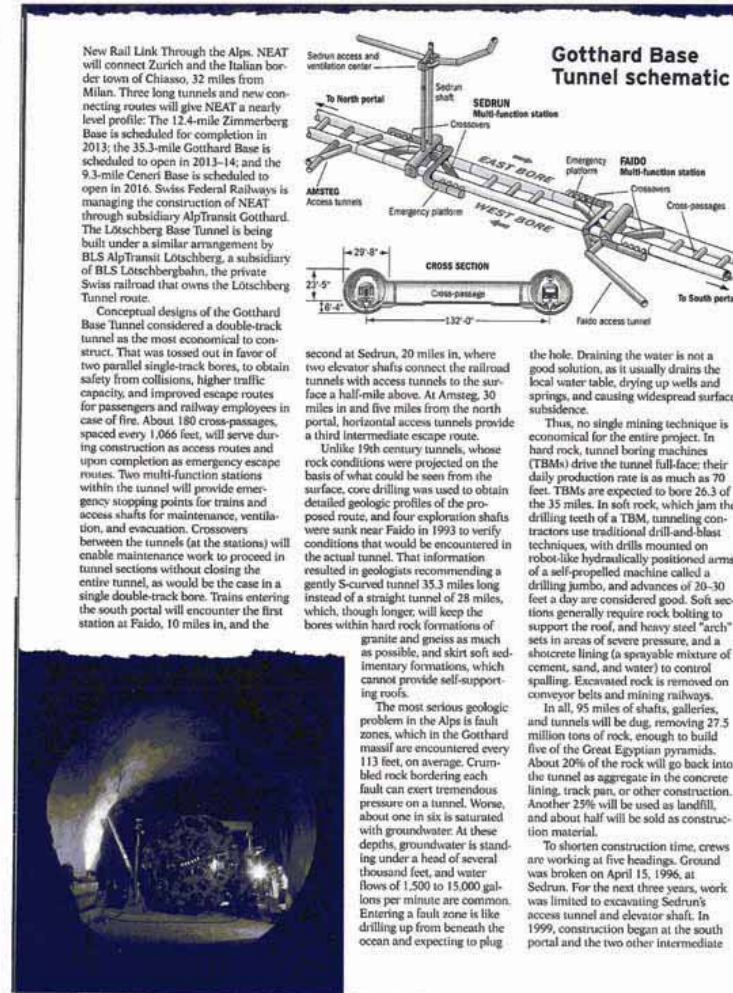
EIR-000094



## Comment Letter PH-F031D Continued

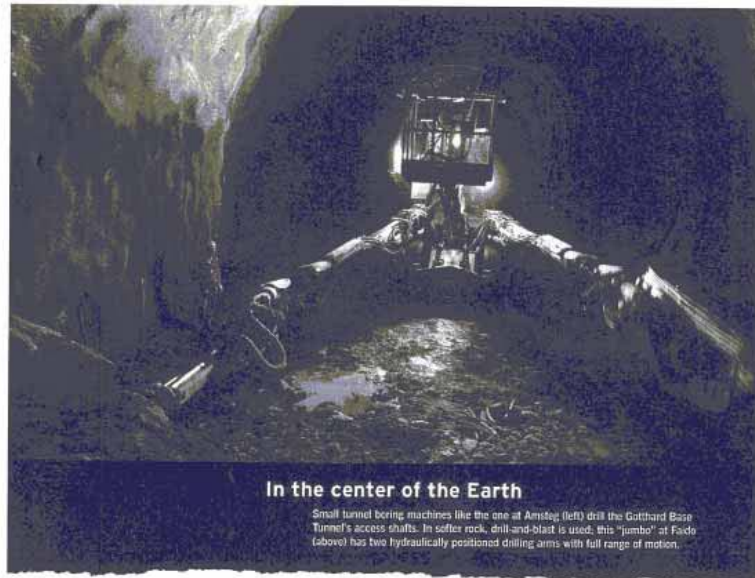


EIR-000095



EIR-000096

## Comment Letter PH-F031D Continued



### In the center of the Earth

Small tunnel boring machines like the one at Amsteg (left) drill the Gotthard Base Tunnel's access shafts. In softer rock, drill-and-blast is used; this "jumbo" at Faider (above) has two hydraulically positioned drilling arms with full range of motion.

points. Still, it wasn't until 2003 that miners began boring the actual rail tunnels. As of February 2004, with 1,500 to 1,800 people working 24 hours a day on three shifts, 21% of the excavation is complete, mostly access tunnels and passageways in the multi-function stations. The railway is still negotiating with villages at the north portal on a final alignment, and has yet to begin that entrance.

After the miners are done, much work will remain. Within the tunnel, each track will rest on a reinforced, cast-in-place concrete pad 12 inches thick. Track material will consume 190,000 concrete ties, 141 miles of rail, and 1,736 miles of cable for power, signal, and data transmission.

At its deepest, the tunnel is nearly 1.5 miles below the surface, where temperatures can climb as high as 113 degrees. Traffic conditions inside the tunnel are expected to be 95 degrees. Moving trains will push fresh air through the

bore, with 441 square feet of each bore's cross section remaining open to minimize air-pressure resistance. Pressurized rolling stock will be required for passenger trains. Passenger-train speeds through the Gotthard Base Tunnel will range between 124 and 155 mph — a 20-minute trip — while fast freights will run at 99 mph. Some trains are expected to continue using the original Gotthard route, although no official plans have been released.

#### A matter of national will

SBB isn't waiting for the new base tunnel to increase capacity over Gotthard Pass. This year, it is phasing in a new operating system, code-named "ski lift," under which freight trains depart at fixed times rather than waiting to fill to tonnage. This will place a freight train across Gotthard Pass every 10–15 minutes during daylight hours, and at night — the peak period for freight — every five minutes. While actual fre-

quencies vary throughout the week, the system should increase daily freight train capacity from the present 150–170 to about 190. Since December 2003, private railroad BLS Cargo has been operating its own intermodal trains over Gotthard between Germany and Italy, which now number up to 70 trains a week, quite a revolution.

Much work remains before Switzerland's shift from road to rail takes place. Its plan is expensive and technologically demanding. But the essential element is political will, the will to tax truckers and spend money on rail, both private- and government-owned. Switzerland intends to prove that rail, not highways, is the best way to provide economic success and a high standard of living. 1

*ARMIN SCHMUTZ, a frequent contributor to German and Swiss rail magazines since 1996, and a member of the Swiss Public Transport Journalists, won our photo-of-the-year contest in January 2003.*

TRAINS.MAG.COM 49

EIR-000097

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**Response to Comments Hal B. H. Cooper, Jr., Oral Presentation, Attachment D, April 28, 2004 (Letter PH-F031D)**

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**PH-F031D-1**


This is an attachment to comment PH-F013. Please see response to Comment PH-F013-1.



## Comment Letter PH-F032

**PH-F032**

**PUBLIC HEARING ON CALIFORNIA HIGH-SPEED TRAIN DRAFT PROGRAM EIR/EIS**



**COMMENT SHEET**

Written comments may be submitted at today's meeting or be mailed or faxed to the Authority.

Mail: California High-Speed Train  
Draft Program EIR/EIS Comments  
925 L Street, Sacramento, CA 95814

Fax: (916) 322-0827  
Attn: California High-Speed Train  
Draft Program EIR/EIS Comments

Comments may also be submitted through the Authority's  
Web site: [www.cahighspeedrail.ca.gov](http://www.cahighspeedrail.ca.gov)

All comments must be received by end of day **August 31, 2004**.

Sacramento, March 23, 2004 ☐  
Los Angeles, April 13, 2004 ☐  
San Francisco, April 15, 2004 ☐  
San Diego, April 20, 2004 ☐  
Fresno, April 28, 2004 ☒

Name: Dennis Mills

Affiliation (if applicable): Tulare County

Address: 5961 S. Mooney Blvd.

City, State, Zip: Visalia, CA 93277



Phone #: 559-733-6291

E-mail: dmills@co.tulare.ca.us

Please provide your comments below on the project's draft environmental document:

CHSR should link to other transportation modes and  
not overlap. Why build in SF if there are existing  
rail/transit lines? What travel time assumptions did  
you use for the auto option. I think you should  
stress the noise of the HSR more. Did you  
address the additional traffic the HSR will produce  
within the smaller communities/cities.

PH-F032-1  
PH-F032-2  
PH-F032-3

Thank you for your comments. If needed, please continue on reverse.

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**Response to Comments Dennis Mills, Tulare County, April 28, 2004 (Letter PH-F032)**

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**PH-F032-1**

Acknowledged. While the Authority agrees that the HST system must link to other modes of transportation, in order to offer a competitive mode of transportation, the HST must “overlap” to some extent with local and regional commuter services and provide direct service to major metropolitan areas. Studies (CRA technical reports, and studies for other HST proposals) indicate that HST ridership potential is highly dependent on the total trip time and the number of transfers. The HST service would result in travel times between Downtown Los Angeles and Downtown San Francisco of about 2 hours 35 minutes, without a transfer. The HST trip between San Francisco (Transbay Terminal) and San Jose (Diridon Station) would be as little as 30 minutes, whereas the current Caltrain service takes 58 to 96 minutes between San Francisco (4th and King) and San Jose (Diridon Station). Of the 43 daily Caltrain trains (in each direction) only some are express (“baby bullet”) trains providing the quickest travel times (58 minutes), whereas many of the trains are local service with travel times about 96 minutes. HST service to the downtowns of major cities, such as San Francisco, would greatly increase the connectivity and accessibility of the HST system, and would enable the system to directly serve major regional transit hubs such as the Transbay Terminal.

Please see Section 3.2 (including Table 3.2-5) of the Program EIR/EIS for automobile travel time assumptions.

**PH-F032-2**

Acknowledged. The Authority believes that the potential for noise impacts of the HST Alternative is adequately addressed in the Program EIR/EIS (please see Section 3.4), and will receive further analysis in project level documents, should a decision be made to move forward with the proposed HST system.


**PH-F032-3**

Yes, please see Section 3.1.

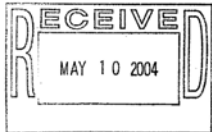
## Comment Letter PH-F033

**PH-F033**

**PUBLIC HEARING ON CALIFORNIA HIGH-SPEED TRAIN DRAFT PROGRAM EIR/EIS**



**COMMENT SHEET**



Sacramento, March 23, 2004 ☐

Los Angeles, April 13, 2004 ☐

San Francisco, April 15, 2004 ☐

San Diego, April 20, 2004 ☐

Fresno, April 28, 2004 ☒

Written comments may be submitted at today's meeting or be mailed or faxed to the Authority.

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Draft Program EIR/EIS Comments  
925 L Street, Sacramento, CA 95814

Fax: (916) 322-0827  
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Comments may also be submitted through the Authority's  
Web site: [www.cahighspeedrail.ca.gov](http://www.cahighspeedrail.ca.gov).

All comments must be received by end of day **August 31, 2004**.

Name: Georgian Peters

Affiliation (if applicable): \_\_\_\_\_

Address: 1304 W San Jose

City, State, Zip: Fresno, Calif. 93711

Phone #: \_\_\_\_\_



E-mail: TPe.4876339@aol.com

Please provide your comments below on the project's draft environmental document:

*I am in favor of high speed rail. Merced might be a good spot for maintenance station. Prefer major passenger stop for Fresno due to population.*

*Please keep bond measure on ballot for 2006. I doubt if it would pass in 2004 due to state budget woes. Do not delay till 2008 by then all environmental & other studies need to be done.*

*Please keep me informed. Let me know if needed to promote bond measure.*

Thank you for your comments. If needed, please continue on reverse.

 PH-F033-1  
PH-F033-2  
PH-F033-3

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**Response to Comments Georgiean Peters, May 10, 2004 (Letter PH-F033)**

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**PHF033-1**

Acknowledged.

**PHF033-2**

Please see standard response 2.35.1.

**PHF033-3**

Please see standard response 6.20.1.


**PHF033-4**

Acknowledged. The referenced "bond measure" is not part of this program environmental process.

## Comment Letter PH-F034

**PH-F034**

**PUBLIC HEARING ON CALIFORNIA HIGH-SPEED TRAIN DRAFT PROGRAM EIR/EIS**

 **COMMENT SHEET**

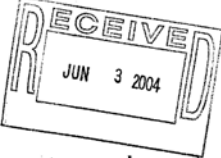
Written comments may be submitted at today's meeting or be mailed or faxed to the Authority.

Mail: California High-Speed Train  
Draft Program EIR/EIS Comments  
925 L Street, Sacramento, CA 95814

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Web site: [www.calhighspeedrail.ca.gov](http://www.calhighspeedrail.ca.gov)

All comments must be received by end of day **August 31, 2004**.


 Sacramento, March 23, 2004 ☐  
 Los Angeles, April 13, 2004 ☐  
 San Francisco, April 15, 2004 ☐  
 San Diego, April 20, 2004 ☐  
 Fresno, April 28, 2004 ☒

Name: JOE ARAMBURU

Affiliation (if applicable): \_\_\_\_\_

Address: 4074 E MONTECITO


City, State, Zip: FRESNO, CA 93702-3839

Phone #: 559-251-5105

E-mail: \_\_\_\_\_

Please provide your comments below on the project's draft environmental document:

THE ANTELOPE VALLEY ALIGNMENT FROM BAKERSFIELD TO  
SYLMAR MAKES NO SENSE; THIS SHOULD BE DISCARDED  
IN FAVOR OF THE I-5 ALIGNMENT. ALSO, IN REGARD  
TO THE PACHECO PASS ALIGNMENT; WHY IS THE LOS  
BAÑOS STATION NOT IN LOS BAÑOS? WHY IS IT  
LOCATED IN THE MIDDLE OF NOWHERE AT 152 & I-5?  
THIS MAKES NO SENSE. FINALLY, YOU DO NOT SEEM  
TO BE FOLLOWING THE EUROPEAN EXAMPLE; YOU SEEM  
TO BE DOING JUST THE OPPOSITE! - AGAIN, I  
DO NOT UNDERSTAND. THIS IS TOO IMPORTANT  
TO BLOW; - PROPOSALS LIKE THAT MENTIONED ABOVE  
WILL JUNK EVERYTHING. - PLEASE DO THINGS RIGHT.


 THANK YOU Joe Aramburu  
 Thank you for your comments. If needed, please continue on reverse.

05312004

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**Response to Comments Joe Aramburu, June 3, 2004 (Letter PH-F034)**

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**PH-F034-1**

Please see standard response 6.23.1.

**PH-F034-2**

Please see standard response 6.11.1.

**PH-F034-3**

Acknowledged. The Authority disagrees with your assessment. The Authority's Business Plan was favorably peer reviewed by SNCF, Japan Railways Technical Services, and DE Consult. Moreover, the consultants hired to conduct the technical evaluations have considerable experience in the implementation of HST systems worldwide.